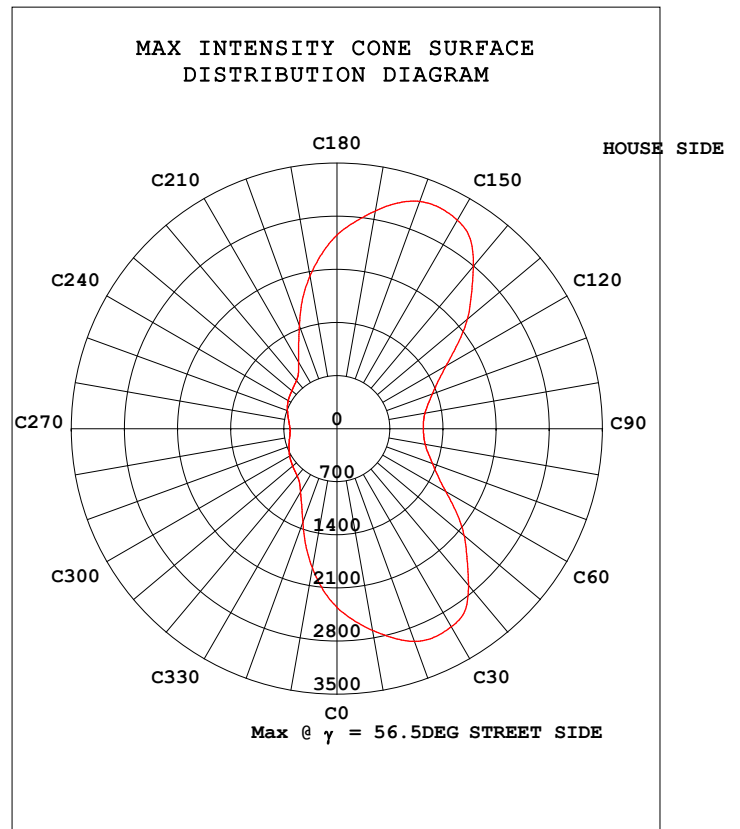
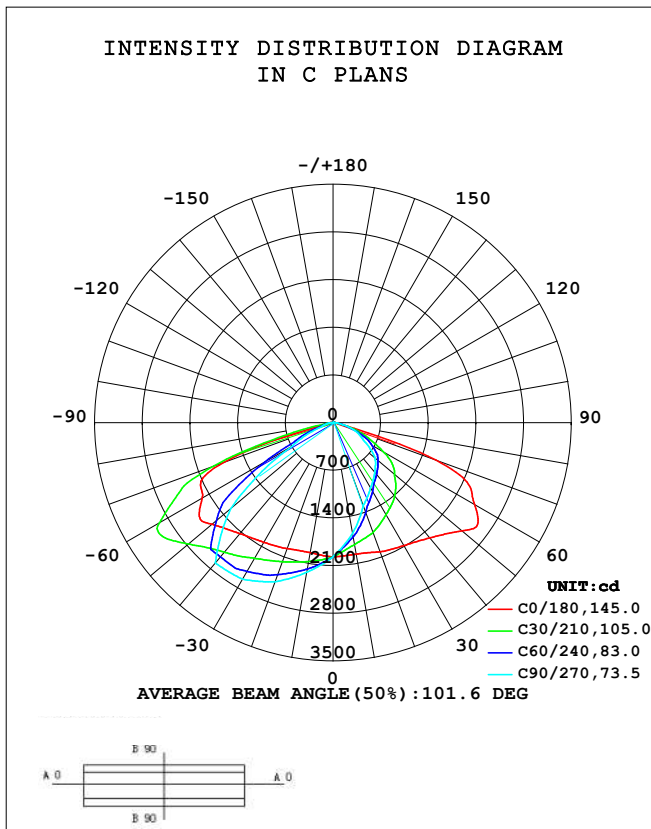


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.2360A P:50.87W PF:0.9759 Lamp Flux:7304.49x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.60 lm/W			
MODEL	LED	Imax (cd)	3213	η street_up (%)	0.0
NOMINAL POWER (W)	50	LOR (%)	100.0	η street_down (%)	50.5
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	7304	η house_up (%)	0.0
NOMINAL FLUX (lm)	7304.49	MAXIMUM @ (C, γ)	155,56.5	η house_down (%)	49.5
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	17.451



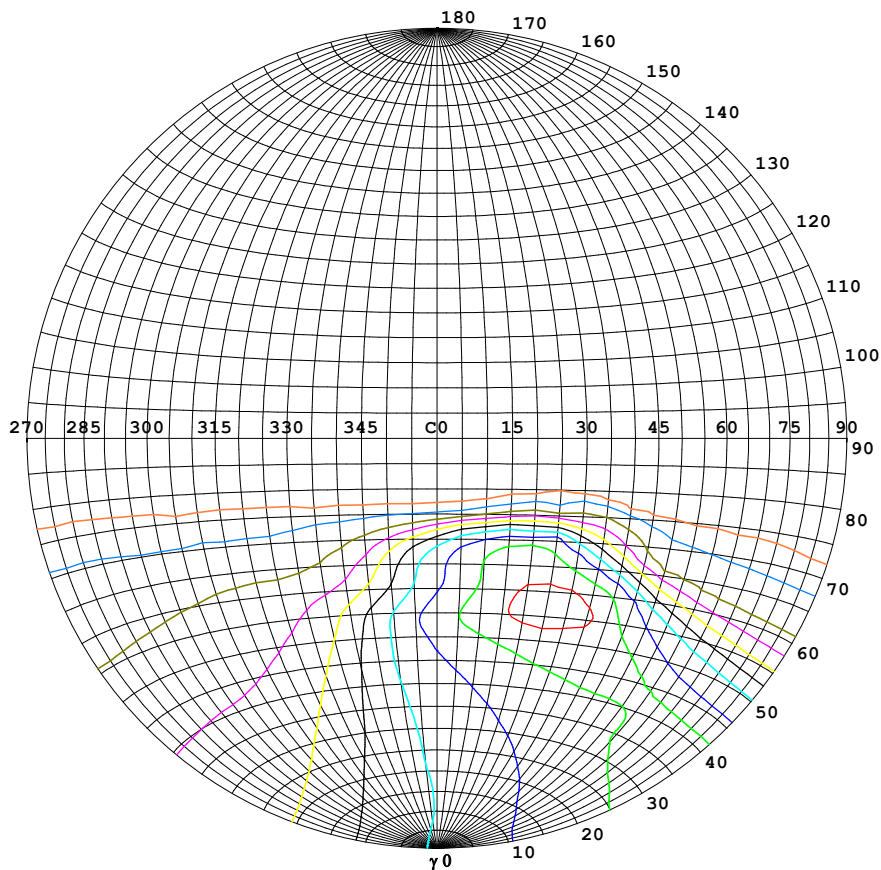
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.2360A P:50.87W PF:0.9759 Lamp Flux:7304.49x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



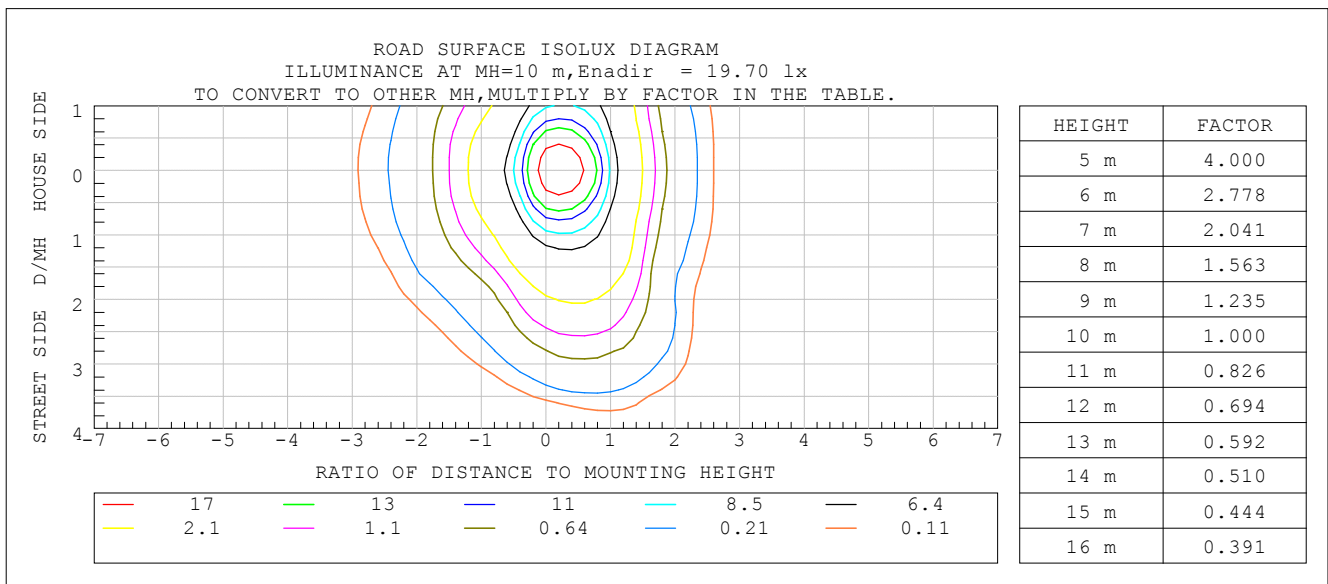
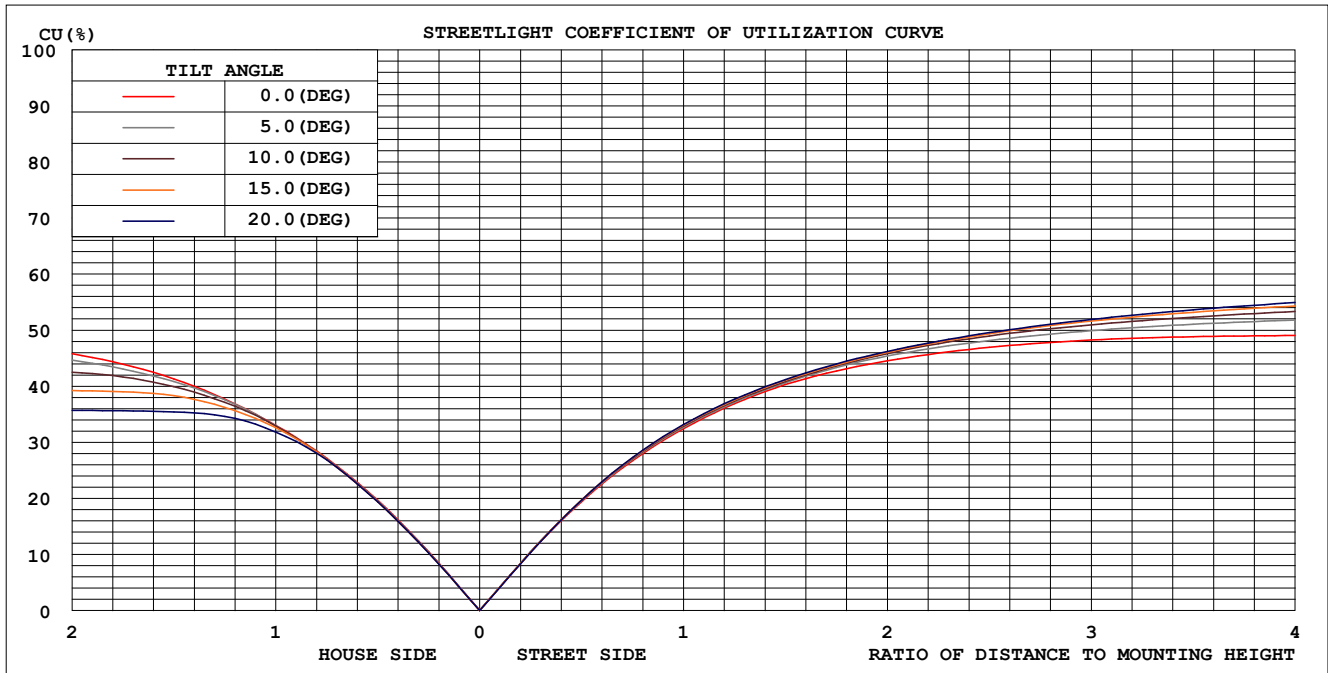
Classification:

IES:Type IV - Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:21.84cd/klm
Max.At90:3.825cd/klm
Max.80-90:21.84cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3213
90%	2892
80%	2570
70%	2249
60%	1928
50%	1607
40%	1285
30%	964
20%	643
10%	321
5%	161

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.2360A P:50.87W PF:0.9759 Lamp Flux:7304.49x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

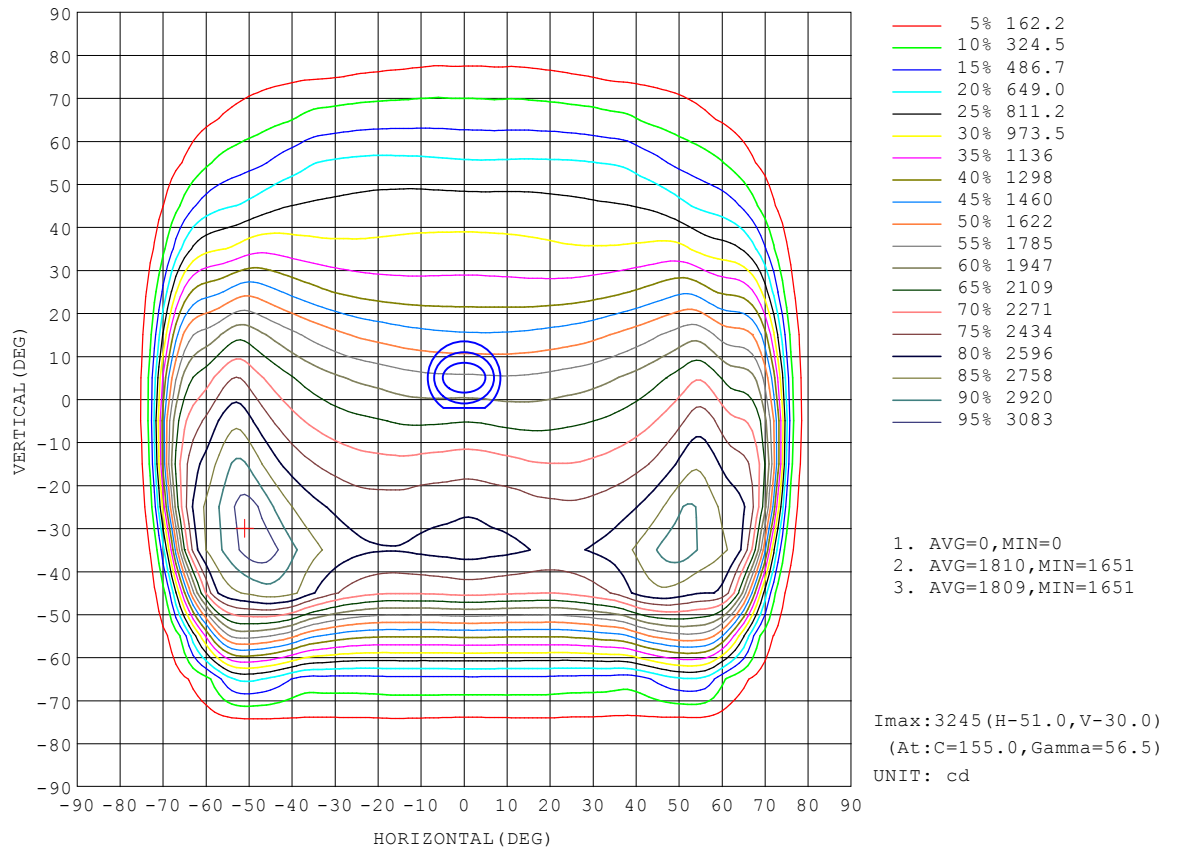
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	*lum,lamp
5	1955	2055	2101	2059	1964	1857	1812	1851	0- 5	46.90	46.90	0.64,0.64
10	1939	2130	2232	2142	1961	1756	1655	1738	5- 10	139.4	186.3	2.55,2.55
15	1944	2205	2360	2224	1978	1662	1476	1635	10- 15	229.9	416.3	5.7,5.7
20	1970	2274	2487	2301	2020	1539	1298	1512	15- 20	317.8	734.1	10,10
25	2000	2347	2572	2385	2052	1415	1202	1384	20- 25	402.7	1137	15.6,15.6
30	2031	2419	2657	2463	2086	1307	1107	1276	25- 30	484.9	1622	22.2,22.2
35	2072	2484	2674	2536	2136	1194	1031	1167	30- 35	563.8	2185	29.9,29.9
40	2128	2558	2691	2618	2210	1073	955.6	1048	35- 40	637.8	2823	38.7,38.7
45	2209	2625	2326	2688	2319	1006	883.7	980.0	40- 45	702.0	3525	48.3,48.3
50	2322	2701	1962	2782	2472	917.6	811.9	897.7	45- 50	747.4	4273	58.5,58.5
55	2400	2483	1329	2568	2595	830.9	665.2	814.9	50- 55	771.3	5044	69.1,69.1
60	2220	2210	696.8	2284	2402	722.9	518.5	713.8	55- 60	728.8	5773	79,79
65	2150	1271	440.3	1329	2219	547.8	431.5	538.5	60- 65	620.5	6393	87.5,87.5
70	1708	597.8	183.9	635.2	1610	364.7	344.5	351.1	65- 70	494.5	6888	94.3,94.3
75	368.2	215.2	128.1	237.2	274.9	215.8	216.4	201.6	70- 75	286.2	7174	98.2,98.2
80	97.57	103.6	72.29	114.8	78.59	113.4	88.25	104.4	75- 80	92.50	7266	99.5,99.5
85	48.31	26.61	0	28.79	31.39	24.13	0	21.80	80- 85	33.04	7299	99.9,99.9
90	27.94	0	0	0	23.37	0	0	0	85- 90	5.081	7304	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

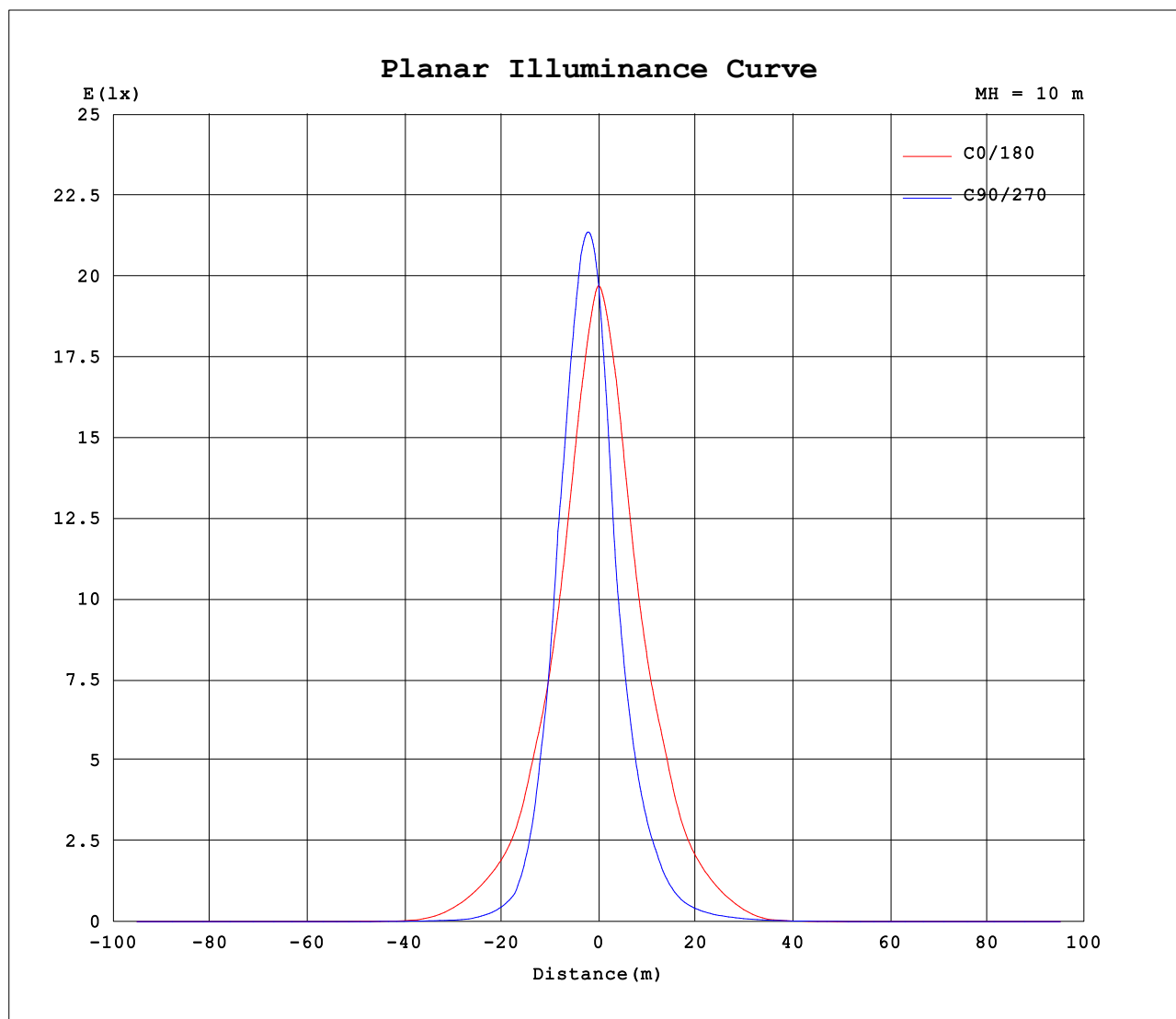
Test:U:220.9V I:0.2360A P:50.87W PF:0.9759 Lamp Flux:7304.49x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



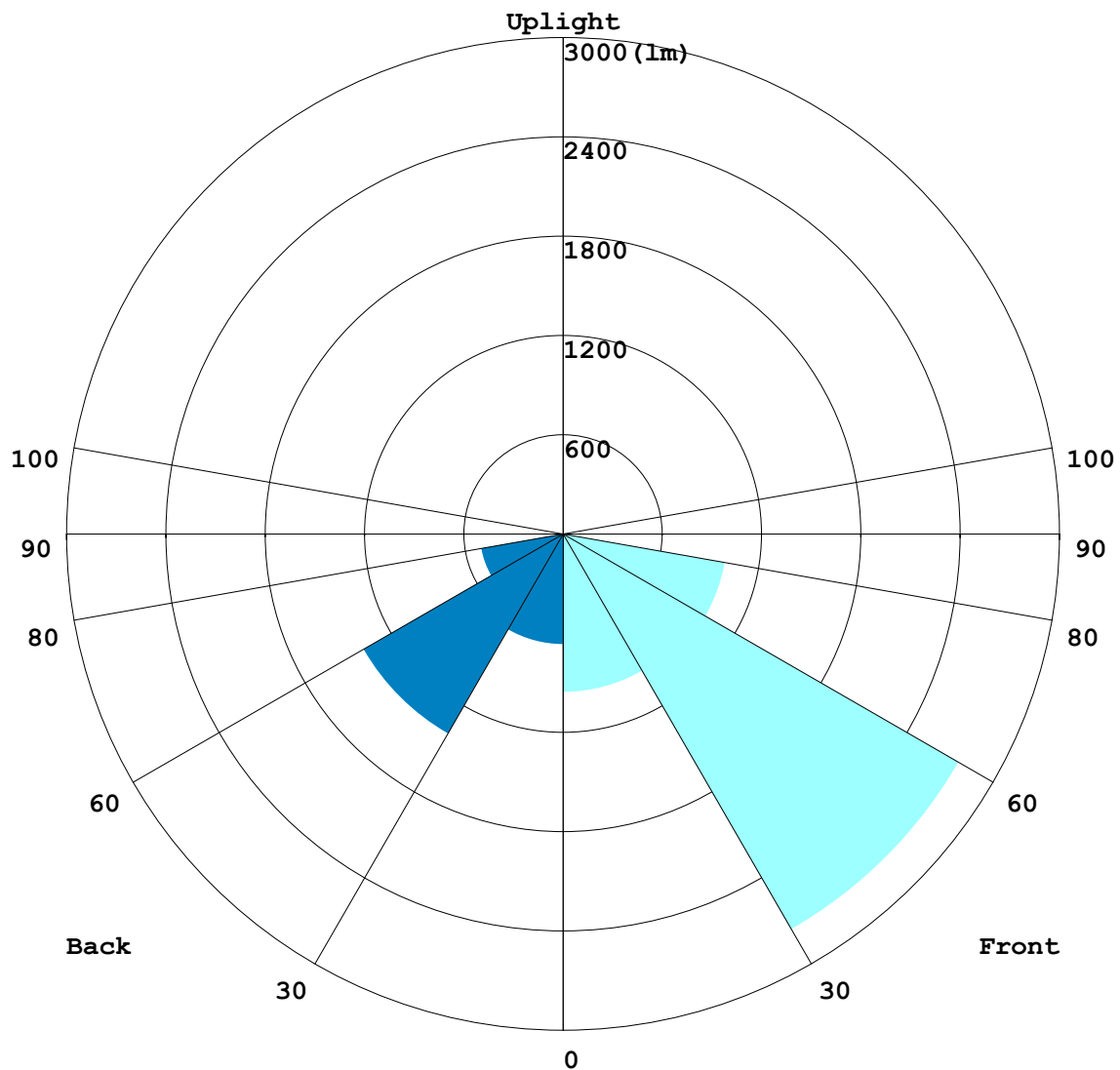
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.9V I:0.2360A P:50.87W PF:0.9759 Lamp Flux:7304.49x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.9V I:0.2360A P:50.87W PF:0.9759 Lamp Flux:7304.49x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	955.35	13.1
FM - Front-Medium(30-60)	2758	37.8
FH - Front-High(60-80)	991.88	13.6
FVH - Front-Very High(80-90)	20.803	0.3
Total Forward Light	4726	64.7

BL - Back-Low(0-30)	666.36	9.1
BM - Back-Medium(30-60)	1393	19.1
BH - Back-High(60-80)	501.77	6.9
BVH - Back-Very High(80-90)	17.317	0.2
Total Back Light	2578.5	35.3

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2578.5	0	2578.5
Street Side	4726	0	4726

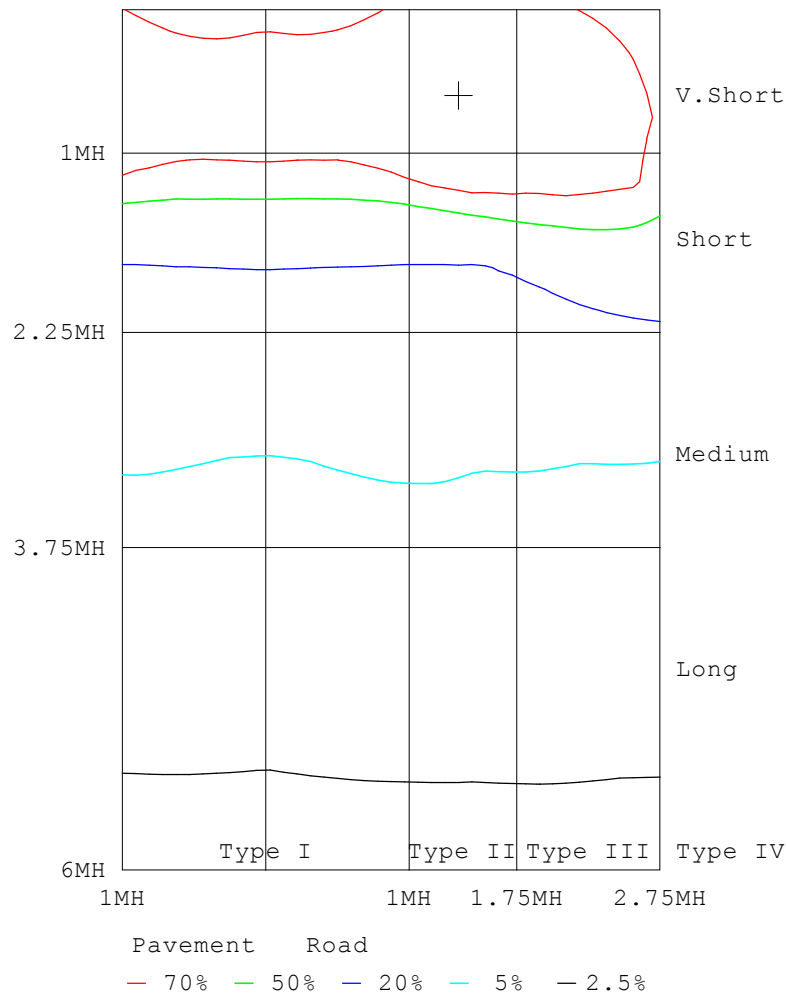
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.2360A P:50.87W PF:0.9759 Lamp Flux:7304.49x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```